

```

graph TD
    subgraph 10 [Network System]
        direction TB
        subgraph Internet [12a]
            direction TB
            C1[Client 34] --- I[Internet 12a]
            C2[Client 32] --- I
            S[Secure Printer 36] --- I
        end
        S --- I
        I --- NIC[NIC 20]
        NIC --- S1[Server 14]
        subgraph LocalNetwork [12b]
            direction TB
            C2 --- LN[Local Network 12b]
            S --- LN
        end
    end

    subgraph SecurePrinter [36]
        direction TB
        P1[Proc 40]
        RAM[RAM 44]
        subgraph ROM [42]
            direction TB
            P2[Program 46]
        end
        R[Reader 38]
    end

    subgraph Server [14]
        direction TB
        NIC2[NIC 20]
        P3[Proc 16]
        subgraph Memory [18]
            direction TB
            WP[Web Page 22]
            D[Documents 24]
            OS[OS 26]
            CGI[CGI 30]
            SP[Server Program 28]
        end
    end

    S1 --- NIC2
    P3 --- Memory
    Memory --- WP
    Memory --- D
    Memory --- OS
    Memory --- CGI
    Memory --- SP

    R <--> SC[Smart Card 48]

```

FIG. 1

FIG. 2

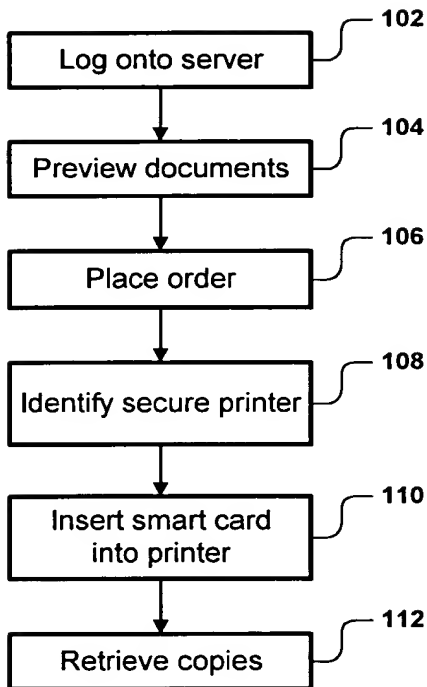
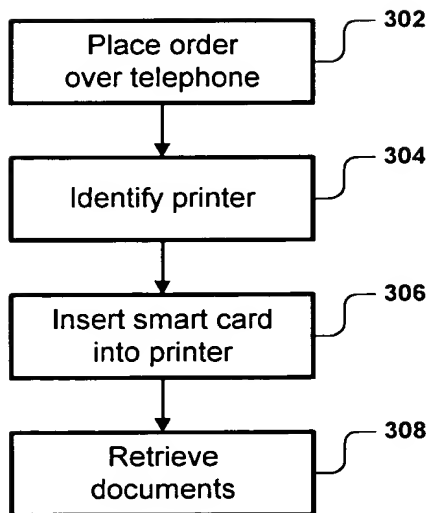


FIG. 4



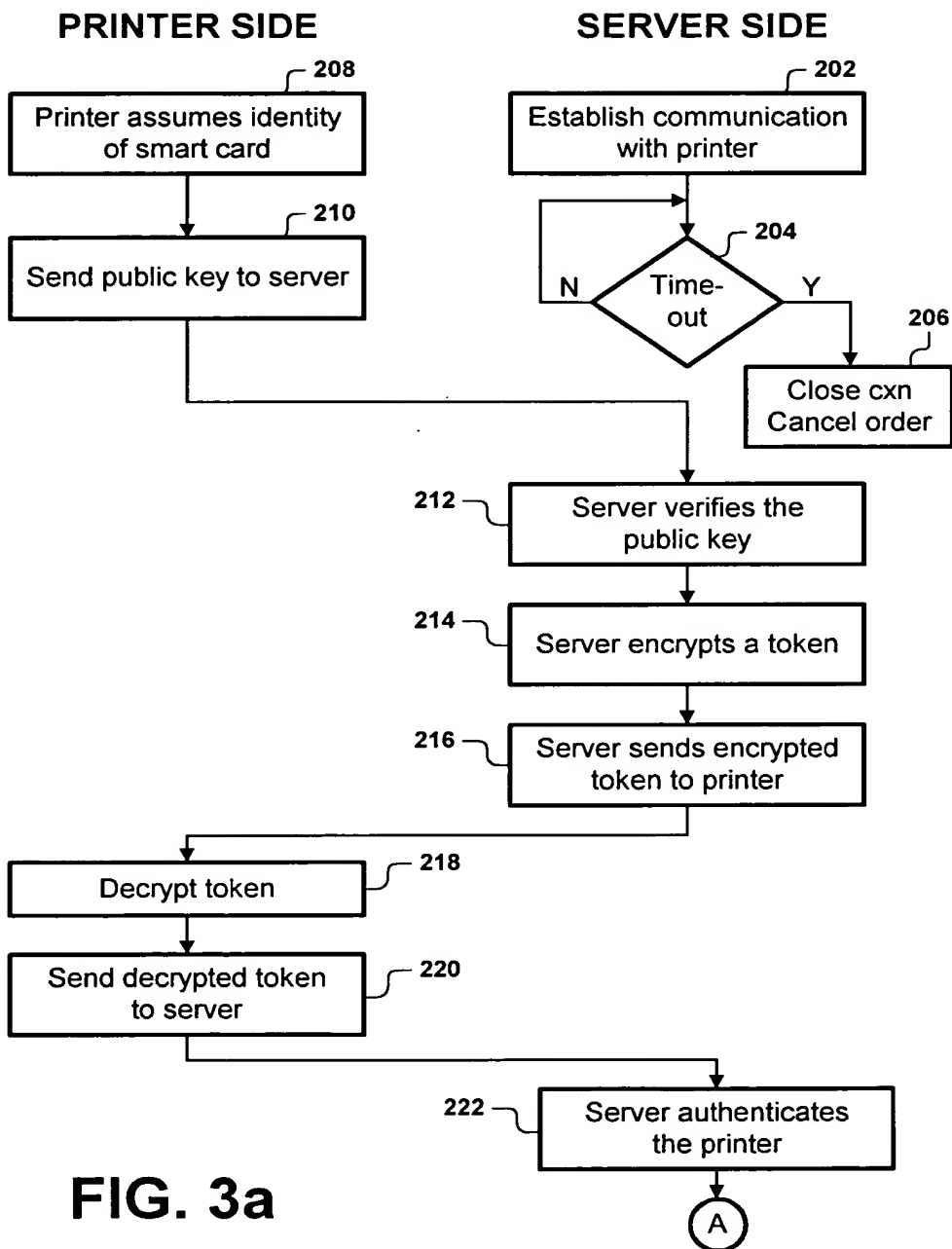


FIG. 3a

PRINTER SIDE

SERVER SIDE

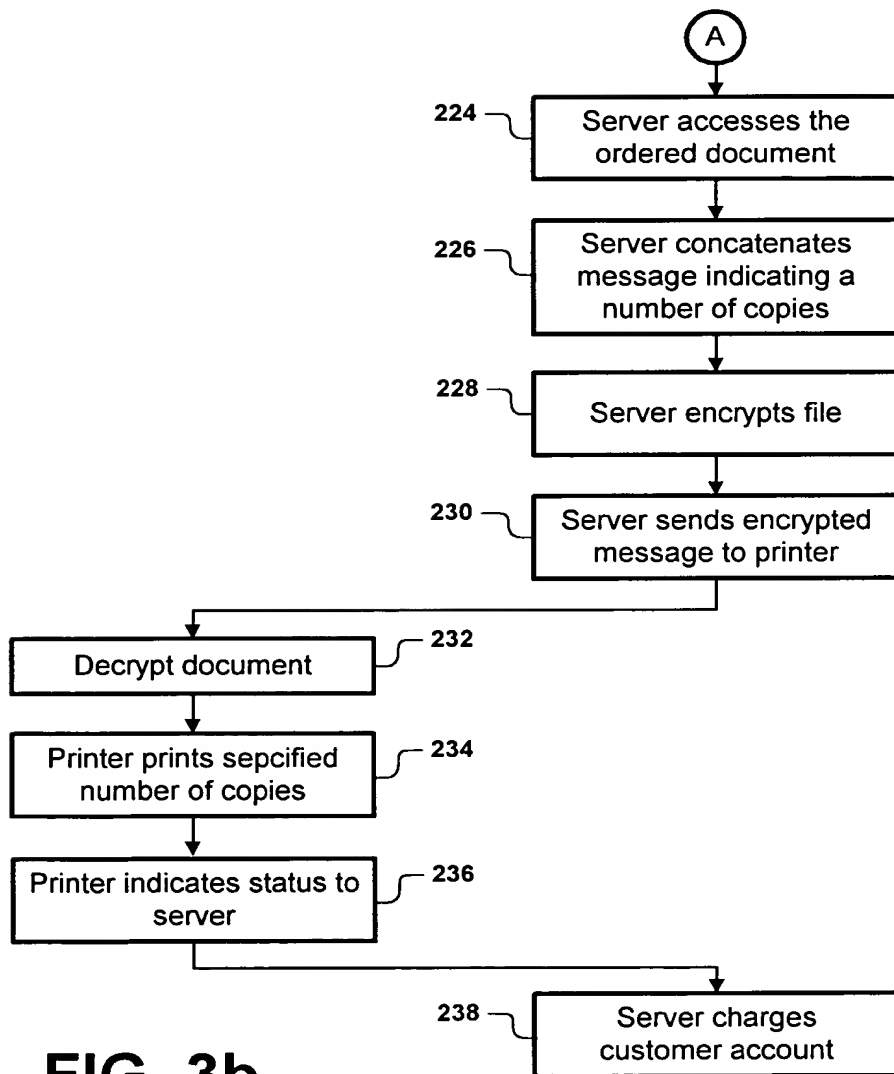


FIG. 3b

FIG. 5

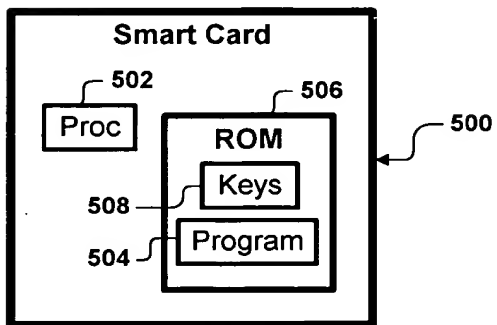
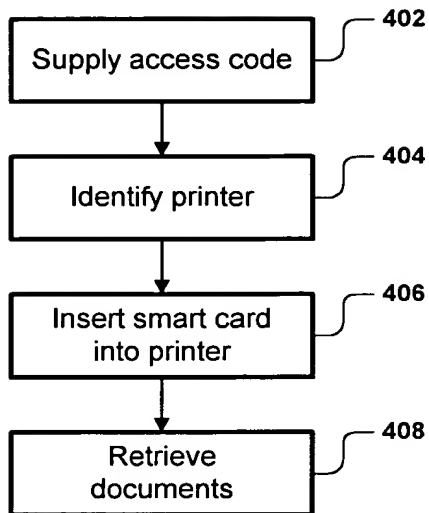


FIG. 6